Each

Dart Aerospace Ltd. Wednesday, 1/11/2006 4:25:18 PM Kim Johnston User: **Process Sheet** : BRACKET ASSEMBLY : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 25454 **Estimate Number** : 10278 -: D3121141 **Part Number** P.O. Number : D3121 REV C2 : 1/11/2006 S.O. No. : **Drawing Number** This Issue : N/A : NC Project Number Prsht Rev. ; C2 : MACHINED PARTS : // First Issue Type **Drawing Revision** : 25442A Material **Previous Run** 16 **Um**: **Due Date** : 2/10/2006 Qty: Written By **Checked & Approved By** : Est Rev:Pick:A 04.02.18 New issue KJ/DS Comment **Additional Product** Job Number: Description: Seq. #: **Machine Or Operation:** M174B1000X02000 17-4 SS Bar 1.0 9.2400 f(s) Total: Comment: Qty.: 0.5775 f(s)/Unit Material: 17-4 SS Bar per AMS 5604/5643 (M17-4-B1.000x02.000) Identify for D3121-111 Batch: BAND SAW 2.0 BAND SAW Comment: BAND SAW Cut blanks: (1.000" x 2.000") 6.600" long HAAS CNC VERTICAL MACHINING #1 3.0 HAAS1 Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine D3121-111 as per Folio FA361 and Dwg D3121Identify as D3121-111

2-Deburr

3-Scribe batch number

4.0 QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Dart Aerospace Ltd

W/O:			WORK ORDER (CHANGES				
DATE	STEP	PROCEDU	IRE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		•				:		
m-mt-li								
Part No		PAR #: Fa	ault Category:	NCR: Yes	s No DQ	A:	Date:	

QA: N/C Closed: ____ Date: ___

NCR:			WORK ORD	ER NON-CONFORMANC	E (NCR)			
	STED Description of NC		Corrective Action Section B		Verification	Annessal	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto
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NOTE: Date & initial all entries

Date: Wednesday, 1/11/2006 4:25:18 PM Kim Johnston User: **Process Sheet** Drawing Name: BRACKET ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3121141 Job Number: 25454 Job Number: **Description:** Seq. #: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK D312121 Bolt 6.0 1.0000 Each(s)/Unit Total: 16.0000 Each(s) Comment: Qty.: **Qty Part Number** Description Batch 1 D3121-21 Bolt ____ Bearing Assembly 7.0 D3121241 Comment: Qty.: 1.0000 Each(s)/Unit Total: 16.0000 Each(s) Pick: Description Batch **Qty Part Number** 1 D3121-241 Bearing Ass SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3121-141 as per Dwg D3121. INSPECT WORK TO CURRENT STEP 9.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 11.0 DC DOCUMENT CONTROL Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category:	NCR: Ye	es No DC	Α:	Date:	

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B		Verification	Annroyal		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto	
						1			

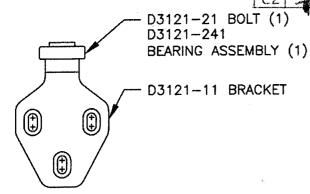
NOTE: Date & initial all entries





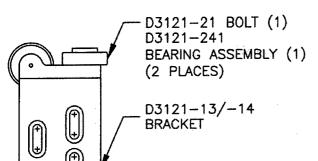
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CHECK	(ED _{III}	APPROVED	DRAWING NO.	REV. C
	#	1 df	D3121 SHEET 1	OF 10
DATE			TITLE	SCALE
04.0	2.17	т.	BRACKET ASSEMBLY	1:2
Α		02.04.15	NEW ISSUE	
R		03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX	P/N

DATE		THE SOLE
04.0	02.17	BRACKET ASSEMBLY 1:2
Α	02.04.15	NEW ISSUE
В	03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/N ADD -141/-143/-144/-145/-146
С	04.02.17	ADD CLEARANCE; USE -241 BEARING
CI	UPF 04.03.26	397 WAS 4.00; 6.11 WAS 6.14
C2	₩-74 04.04.26	0.230 WAS 0.238



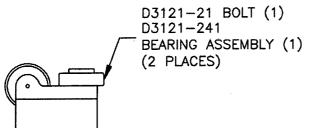
D3121-041 BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-33)



D3121-043 (SHOWN) / D3121-044 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-15/-16 BRACKET

SHOP COPY

/ D3121=046 (OPPOSITE) D3121-045 (SHOWN) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30 23000 C35/236)

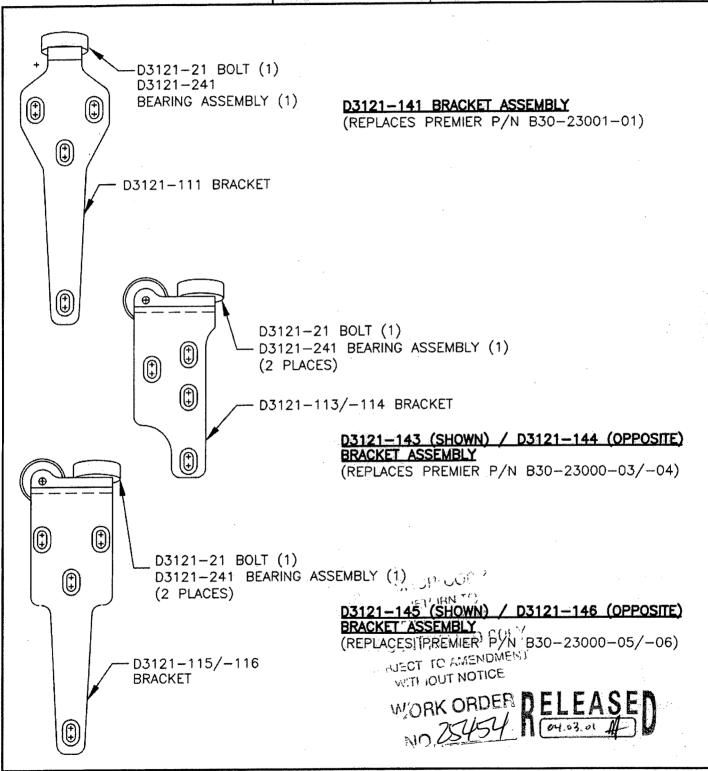
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> WORK ORDE NO. 25454





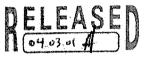
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DATE	1	TITLE	SCALE
04.02.17		BRACKET ASSEMBLY	1:2



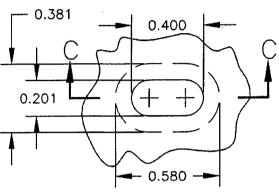


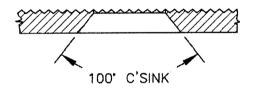


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DATE	91	TITLE	SCALE SCALE
04.02.17		BRACKET ASSEMBLY	1:1



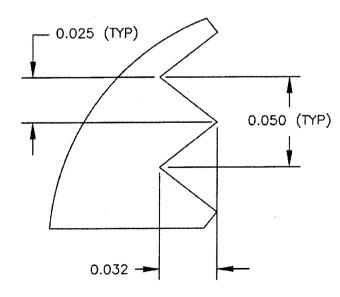
DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





SECTION C-C

DETAIL B: RIDGE DETAIL PARTIAL SECTION SCALE 1:20



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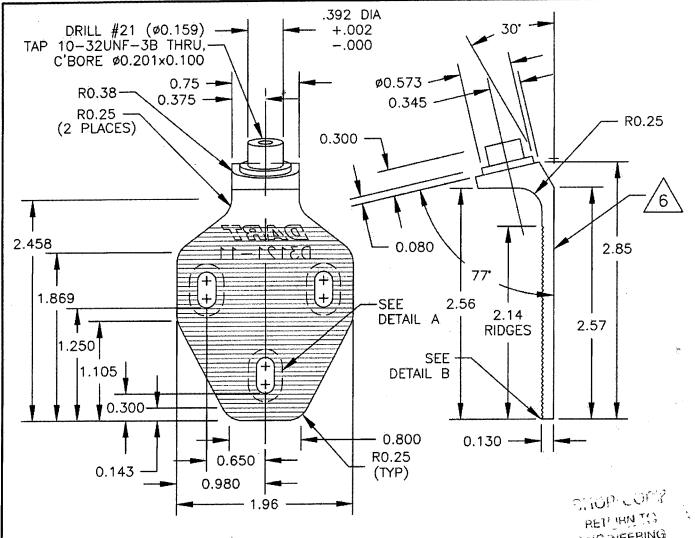
WORK ORDER

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	CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 4 OF 10
	DATE	<u> </u>	TITLE	SCALE
	04.02.17		BRACKET ASSEMBLY	1;1



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D3121-11 BRACKET

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

WORK ORDER NO.252

MIN YIELD TENSILE = 100 ksi

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

ALL DIMENSIONS ARE IN INCHES

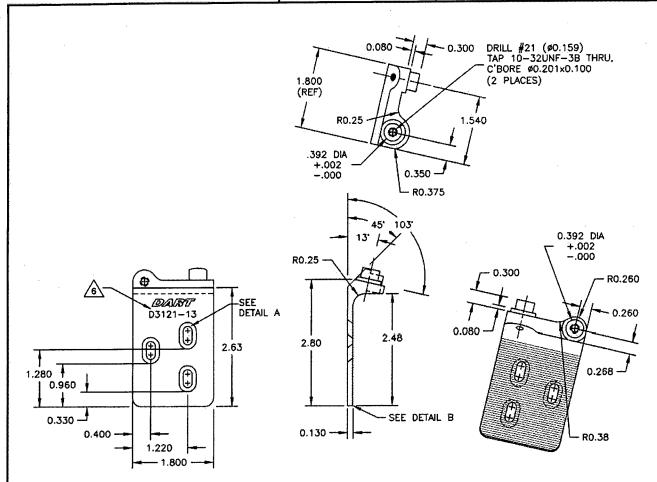
BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N & LOGO AS SHOWN
6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005





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/	CHECKED	APPROVED	DRAWING NO.	REV. C
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	DATE	<u>, , , , , , , , , , , , , , , , , , , </u>	TITLE	SCALE
	04.02.18		BRACKET ASSEMBLY	1:2



D3121-13 BRACKET (SHOWN) D3121-14 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE STRENGTH = 150 ksi MIN YIELD TENSILE STRENGTH = 100 ksi

- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- ALL DIMENSIONS ARE IN INCHES
- BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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WITHOUT NOTICE

WORK ORDER

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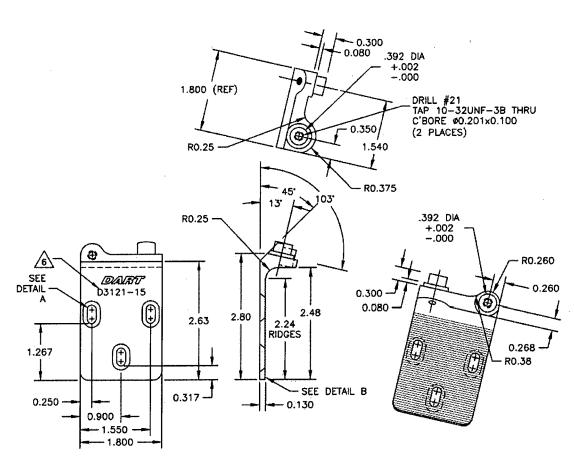


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#	#	D3121	SHEET 6 OF 10	
DATE		TITLE	SCALE	
04.02.18		BRACKET ASSEMBLY	1:2	



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WORK ORDER

NO. 25454

D3121-15 BRACKET (SHOWN) D3121-16 BRACKET (OPPOSITE)

 MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi MIN YIELD TENSILE = 100 ksi

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

ALL DIMENSIONS ARE IN INCHES 3)

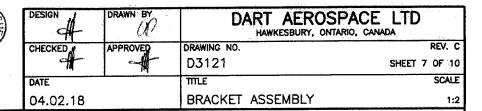
BREAK ALL SHARP EDGES 0.005 TO 0.015

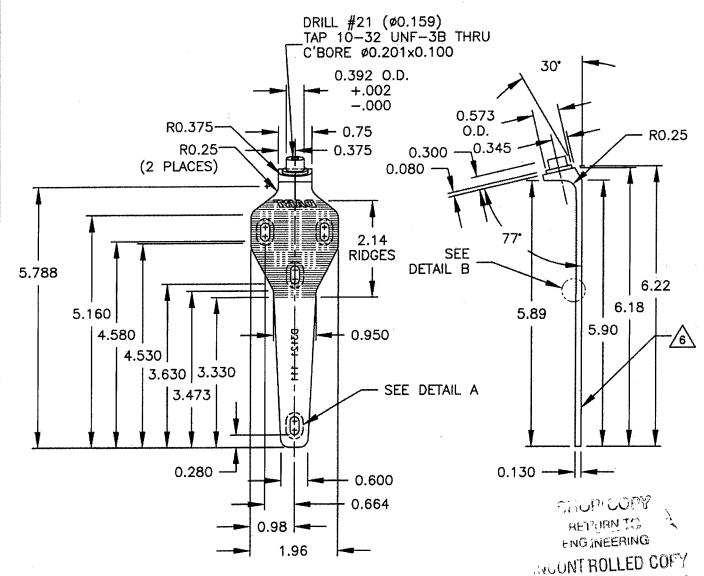
5) ENGRAVE DART P/N AND LOGO AS SHOWN

6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005









D3121-111 BRACKET

1) REPLACES PREMIER P/N B32-23001-11

2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHEWISE NOTED

ALL DIMENSIONS ARE IN INCHES

BREAK ALL SHARP EDGES 0.005 TO 0.015

ENGRAVE DART P/N & LOGO IN AREAS SHOWN

HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

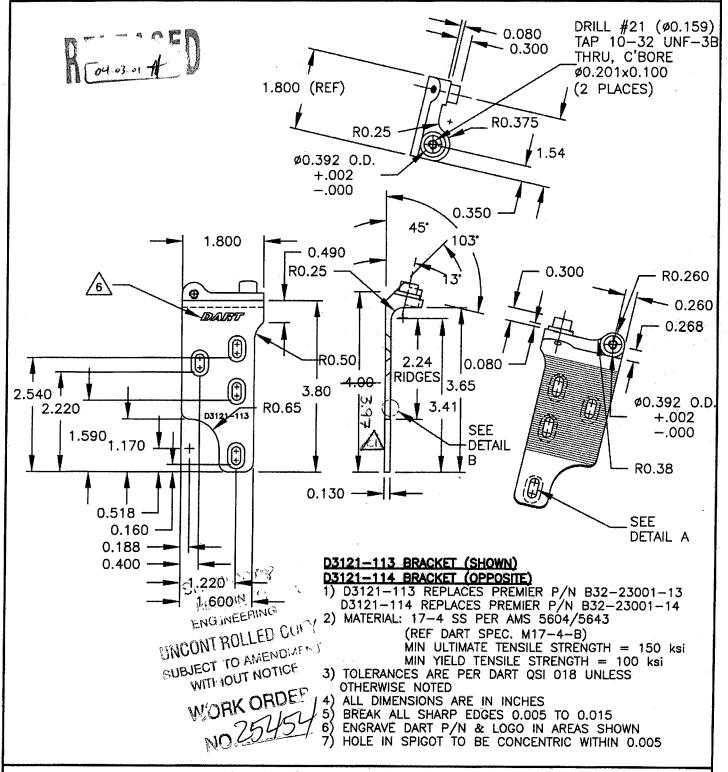
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04.02.18		BRACKET ASSEMBLY	1:2	

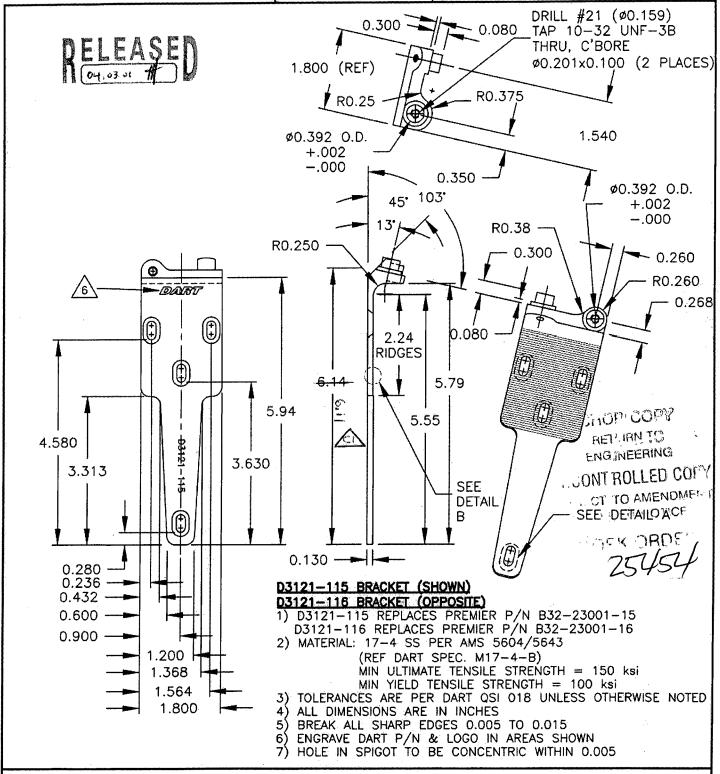


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d	at	D3121	SHEET 9 OF 10
DATE		TITLE	SCALE
04.02.18		BRACKET ASSEMBLY	1:2

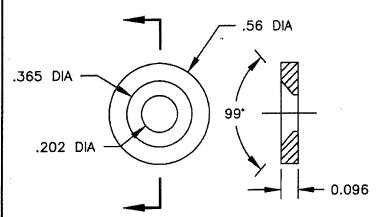


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CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 10 OF 10
DATE	I N	TITLE	SCALE
04.02.17		BRACKET ASSEMBLY	1:1

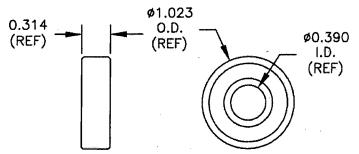


D3121-17 WASHER (SCALE 2:1)

1) REPLACES PREMIER P/N B32-23001-17

2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)

- 3) TOLERANCÈS ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



2) ALL DIMENSIONS ARE IN INCHÉS

- D3121-19 BEARING (SCALE 1:1)

 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM

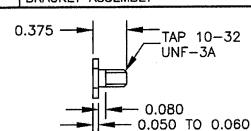
 1) MATERIAL: DELRIN ROD, Ø1.25 FAFNIR P/N 9100KDD
 - Ø0.866 - 0.236 O.D. (REF) Ø0.390 1.D. (REF)

D3121-23 BEARING (SCALE 1:1)

1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ

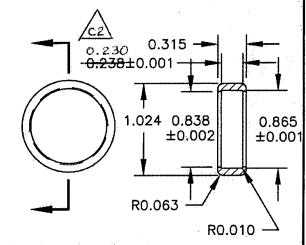
2) ALL DIMENSIONS ARE IN INCHES

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D3121-21 BOLT (SCALE 1:1)

- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- FINISH: NONE
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-25 CAP (SCALE 1:1)

(REF DART SPEC. M-DELRIN-R1.250)

2) TOLERANCES ARE PER DART QSI 018 UNLESS

OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES HNG INEERING D3121-25 CAP D3121-23 **BEARING**

BEARING ASSEBLY (SCALE 1:1)